

# Night Vision Devices



The AN/PVS-7D Night Vision Goggle and the AN/PVS-14 Monocular Night Vision Device provide the capability to engage and execute close combat, combat support, and combat service support operations in very low (starlight) ambient light conditions.

AN/PVS-7D and AN/PVS-14 are head- or helmet-mounted passive devices used by the Soldier to amplify ambient light and very near infrared (IR) energy for night operations. The systems are designed for use in conjunction with rifle-mounted aiming lights. The AN/PVS-14 can be mounted to the M16/M4 receiver rail.

	PVS-7	PVS-14
Field of View	≥ 40 degrees	≥ 40 degrees
Weight (maximum)	1.5 pounds	.88 pounds
Magnification	1 x	1 x
Range	150 meters	150 meters
Operational Time	≥ 15 hours	≥ 15 hours
Power	2 AA (or BA-5567/U)	1 AA
Reliability	200 hours	200 hours



PVS-7



PVS-14



The Aviator’s Night Vision Imaging System (ANVIS) AN/AVS-6 is a helmet-mounted, direct-view, third-generation, image-intensification device. Powered by a helmet-mounted dual battery pack or, optionally, from aircraft-supplied power, ANVIS enables flight operations under very low (starlight) ambient light conditions.

ANVIS incorporates:

- Improved tubes capable of operating down to about starlight conditions
- 25-mm eye relief
- Dual eyespan adjustment knobs
- Enhanced third-generation technology (a combination of new gated power supply technology and either filmless or thin-film tube designs)
- New, fine-focus objective lens
- New, low-profile battery pack

The low-light sensitivity of the current version exceeds its predecessor by about 10 percent. Additionally, the gated power supply enables the ANVIS Version (V)3 to operate in significantly higher light level conditions than any of the previous designs. All ANVIS versions are capable of operating for 24 hours or more on one pair of AA batteries.

